

Water Demand Management Information (9 VAC 25-780-110)



Adrienne Averett and Scott Kudlas

14 November 2007

Water Supply Planning Data Management Workshop

Water Demand Management: **Purpose**

- ♦ As part of a **long-term strategy**, a water plan shall address **conservation** as a part of overall **water demand management**



Water Demand Management: Information Categories

- ◆ Efficient water use practices
- ◆ Water conservation measures
- ◆ Water loss reduction practices

Current practices within the planning area!

Water Demand Management: Efficient Water Use

Practices for more efficient use of water.

Practices include, but not limited to:

- ◆ Adoption and enforcement of Va. Uniform Statewide Building Code sections regarding low flow fixtures & appliances
- ◆ Low – water use landscaping
- ◆ Increases in irrigation efficiency



Water Demand Management: **Efficient Water Use**

Practices for more efficient use of water.

EPA's WaterSenseSM Program:

- ◆ Protect the future of our water supply by promoting & enhancing the market for water-efficient products, services & practices.
- ◆ Spread the word about these products, services & practices!
- ◆ Become a partner!




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Save Water


Water efficiency is the long-term ethic of conserving water resources through the employment of water-saving technologies. Using water efficiently will conserve supplies for future generations. Use the following links to learn how simple and smart it can be to save water.

- [Why Water Efficiency?](#)
- [Using and Saving Water in the United States](#)
- [Benefits of Water Efficiency](#)
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Did You Know?

Weather-based irrigation controllers can save nearly 24 billion gallons per year across the United States—approximately equal to more than 7,000 hoses constantly running for a full year.



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Water Demand Management: **Water Conservation Measures**

*Measures used to conserve water through
the reduction of use.*

Measures include, but not limited to:

- 💧 Technical
- 💧 Educational
- 💧 Financial

Water Demand Management: **Water Loss Reduction**

Practices to address water loss in the maintenance of water systems to reduce unaccounted for water loss.

Practices include, but not limited to:

- Leak detection and repair
- Old line distribution replacement



http://www.awwa.org/Resources/topicspecific.cfm?ItemNumber=3653&navItemNumber=1583

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Water Loss Control

Conservation by Water Suppliers

With the need for water conservation greater than ever, many drinking water utilities now offer their customers tips on cutting water consumption in the home and workplace. But water utilities also need to conserve water in their day-to-day operations. Water utilities not only bring us the water we need, but they also consume large volumes of water and - without proper controls - can waste or lose track of huge amounts of water.

With pressures mounting on our water resources, we need to be water-efficient throughout the entire lifecycle of man's water use. With new methods of water auditing and loss control, water utilities hold the potential to recapture large volumes of treated water as well as additional revenues. Water Loss Control - conservation by water suppliers - is an essential function of the drinking water industry.

What is Water Loss Control?

Water Loss Control represents the efforts of drinking water utilities to provide stewardship and accountability in their operations by reliably auditing their supplies and keeping their system losses to a reasonable

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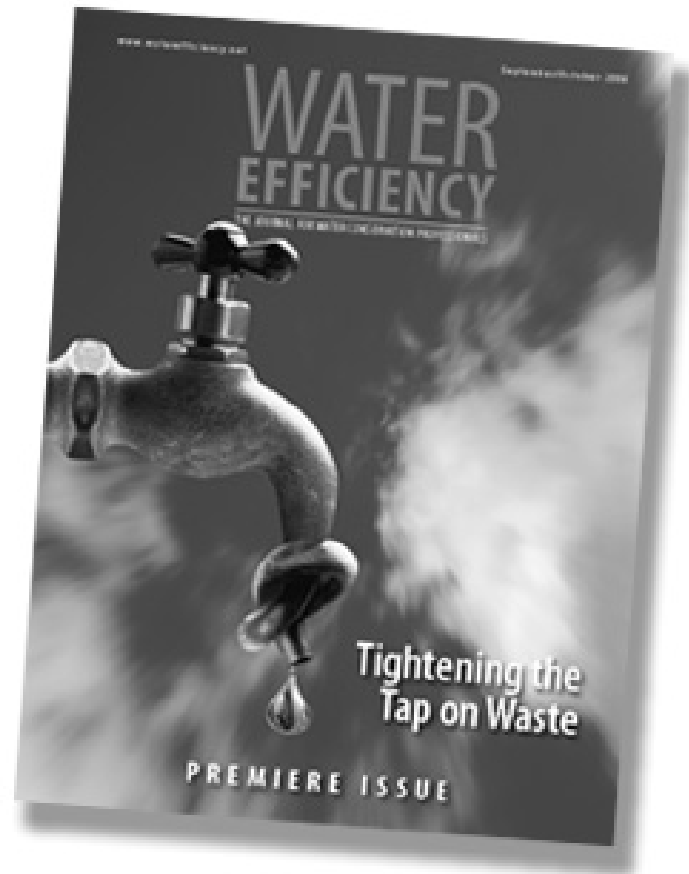
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Additional Resources

<http://www.waterefficiency.net/we.html>



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International Resources

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WaterWiser®
The Water Efficiency Clearinghouse

Alliance for Water Efficiency up and running

The Alliance for Water Efficiency has set up shop in Chicago, hired staff, launched its Web site at www.a4we.org, and held its first Water Efficiency Workshop in mid-October in the Windy City. Led by Executive Director Mary Ann Dickinson and a diverse board of directors, AWE is a nonprofit organization that serves as a North American advocate for water efficient products and programs and provides information and assistance on water conservation efforts.

AWWA and AWE are currently discussing development of a co-branded online water conservation clearinghouse. As a first step

Residential Water Efficiency
[Water Saver Home Web site](#), is a virtual encyclopedia of water saving tips.

WaterWiser® Drip Calculator

Find other water efficiency and conservation tips on AWWA's [drinktap.org](#) consumer site.

Conservation for Utilities: Water Loss Control

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http://www.allianceforwaterefficiency.org/index.html

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Welcome to the Alliance For Water Efficiency



North America's voice for water efficiency and conservation! The Alliance has a web site, a diverse Board of Directors, and a home office in Chicago. Help us set new directions in water efficiency by [joining as a regular member](#). Receive regular updates by [joining our e-mail list](#). For a limited time we offer the opportunity to [become a charter sponsor](#). Our [distinguished charter sponsors](#) receive permanent recognition for their pioneering commitment to founding the Alliance and for helping us bringing critical new perspective to an increasingly thirsty North America. [Read more.](#)

Calendar of Events



Nov 7-9, 2007	USGBC Green Build Conference
Dec 2-4, 2007	Texas Water Summit 2007
Dec 9-11, 2007	28th Annual International Irrigation Show
Feb 10-13, 2008	AWWMA Sustainable Water Sources Conference


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California Adopts New Toilet Standards

Flush volume of fixtures to be reduced by 2014

Governor Schwarzenegger reversed his veto from last year and signed AB715 into law Oct. 11, 2007. This legislation, which has the key support of the Plumbing Manufacturers Institute, will phase in lower flush volumes for all toilet and urinal fixtures sold in California. Starting in 2010, 50% of the fixtures on the market will meet the new standard and all fixtures sold will meet the

Latest Information



	Water Efficiency Watch Newsletter Oct-Nov. 2007
	New California Toilet Legislation - AB715
	Proposed Water Efficiency Research Bill 07-10-18
	IIK Water Tariffs Report

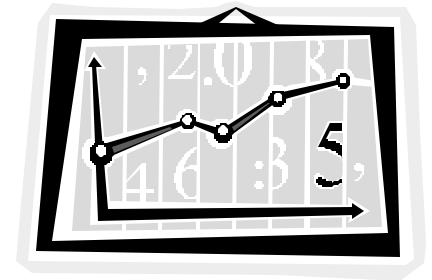
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Water Demand Management: Summary

- Long-term water demand management strategy



- Consider conservation practices in water demand projections (9 VAC 25-780-100D)



- Water is a limited resource:
Sustain current and future water demands and our water resources.





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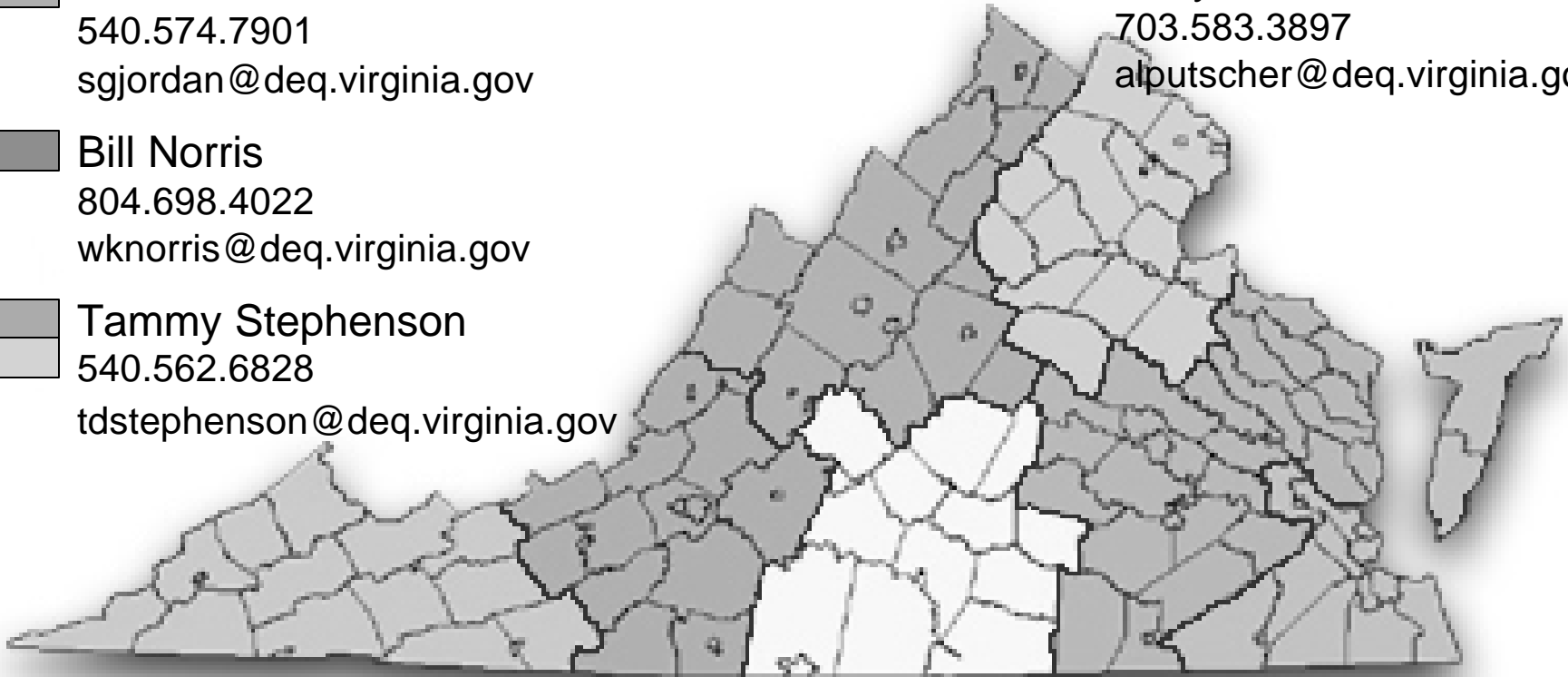



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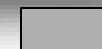
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